

Application No. 09/831,287
Amendment Dated October 26, 2004
Reply to Office Action of July 23, 2004

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) Electromotive drive comprising:
a housing having a shaft support[[.]] in which the shaft of a rotor is rotationally mounted;
a stator having drive windings, said stator being traversed by the shaft support; and
a base plate supporting the stator relative to the housing, said base plate including an extrusion-coated punched-out grid and being fastened to the housing whereby transmission of a torque moment from the stator to said housing occurs solely via the base plate fastened in the housing, the base plate being not rigidly connected over its entire area with the housing, whereby high frequency vibrations of transmitted torque are damped by the punched-out grid.

2.-10. (Canceled)

11. (Currently Amended) An electromotive drive comprising:
a housing having an upwardly extending shaft support;
a base plate attached to the housing at selected areas of the base plate less than an entire area of the base plate, the base plate comprising a punched-out grid;
a stator surrounding the shaft support and being attached to the base plate whereby torque transmission occurs from the stator to the housing exclusively through the base plate and high frequency vibrations of said torque transmission are suppressed by the punched-out grid;
a shaft rotatably arranged within the shaft support; and,
a rotor attached to the shaft and surrounding the stator.

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12. (Previously Presented) The electromotive drive as set forth in claim 11, further including a resilient member disposed between an inner wall of the stator and an outer wall of the shaft support whereby a gap is created between the stator and the shaft support.

13. (Previously Presented) The electromotive drive as set forth in claim 12, further including a viscous medium disposed in the gap.

14. (Previously Presented) The electromotive drive as set forth in claim 12, wherein the coupling includes grease material disposed in the gap.

15. (Previously Presented) The electromotive drive as set forth in claim 12, further including at least one flexible element which bridges the gap.

16. (Previously Presented) The electromotive drive as set forth in claim 15, wherein the at least one flexible element includes a vibration damping element.

17. (Previously Presented) The electromotive drive as set forth in claim 15, wherein:

grooves are provided in the outer wall of the shaft support; and,
the at least one flexible element includes an O-ring retained in said grooves.

18. (Previously Presented) The electromotive drive as set forth in claim 11, wherein the base plate includes torque coupling means disposed adjacent the base plate for torque coupling between the base plate and the housing.

19. (Canceled)

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20. (Previously Presented) The electromotive drive as set forth in claim 17, wherein the base plate further includes a punched-out grid.

21. (Previously Presented) The electromotive drive as set forth in claim 20, wherein the torque coupling means further includes at least one conductor tract of the punched-out grid.

22. (Previously Presented) The electromotive drive as set forth in claim 21, wherein the conductor tract additionally serves for establishing electrical contact between the housing and the stator.

23. (Previously Presented) The electromotive drive as set forth in claim 22, wherein the base plate further includes a plastic extrusion coating.

24. (Currently Amended) An electromotive drive comprising:
a housing;
a shaft support extending from said housing;
a base plate attached to the housing at selected areas of the base plate, ~~the base plate being not connected over its entire area with the housing including an extrusion-coated punched-out grid;~~

~~the base plate being not connected over its entire area with the housing including an extrusion-coated punched-out grid;~~
a stator spaced apart from the shaft support defining a gap therebetween, the stator being directly attached to the base plate whereby a torque moment is transmitted from said stator to said housing exclusively through said base plate ~~whereby high frequency torque variations are damped by dampening properties of said punched-out grid forming said base plate;~~

a shaft rotatably disposed within the shaft support;
a rotor attached with the shaft; and
a resilient member disposed between the stator and the shaft support.

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25. (Previously Presented) The electromotive drive as set forth in claim 24, wherein the resilient member includes a viscous medium disposed in the gap.

26. (Previously Presented) The electromotive drive as set forth in claim 24, wherein the resilient member includes at least one O-ring arranged in the gap.

27. (Previously Presented) The electromotive drive as set forth in claim 24, wherein the resilient member includes a vibration damping means for damping vibrations of said stator.

28. (Currently Amended) A pump motor, operative in conjunction with a pump for a hydraulic system of a motor vehicle, the pump motor comprising:

a housing including an elongate shaft support;

a stator surrounding the shaft support;

a base plate including an extrusion-coated punched-out grid and a printed conductor plate, the base plate being rigidly connected to the housing and providing a sole route of torque transmission between the stator and the housing and providing dampening between the stator and the housing, the base plate having an area and a selected portion of said area not contacting said housing;

a shaft rotatable within the shaft support;

a rotor attached with the shaft; and

a flexible coupling disposed between the stator and the shaft support.

29. (Previously Presented) The pump motor as set forth in claim 28, wherein:

the stator and the shaft support together define a gap therebetween; and the coupling is disposed within the gap.

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30. (Currently Amended) The pump motor as set forth in claim 28, wherein ~~a substantial portion of said area of said base plate is not contacting connected to said housing over an entire area of the base plate.~~

31. (Currently Amended) The pump motor as set forth in claim 28, wherein ~~substantially all of said area of said base plate is not contacting connected to said housing at selected conductor tract areas of the base plate.~~